2011 Arithmetic Paper 2 Answers

1.

750g	Flour
20	Eggs
17.5	Tablespoons of milk
95g	Coconut
3.5ml	Vanilla Essence

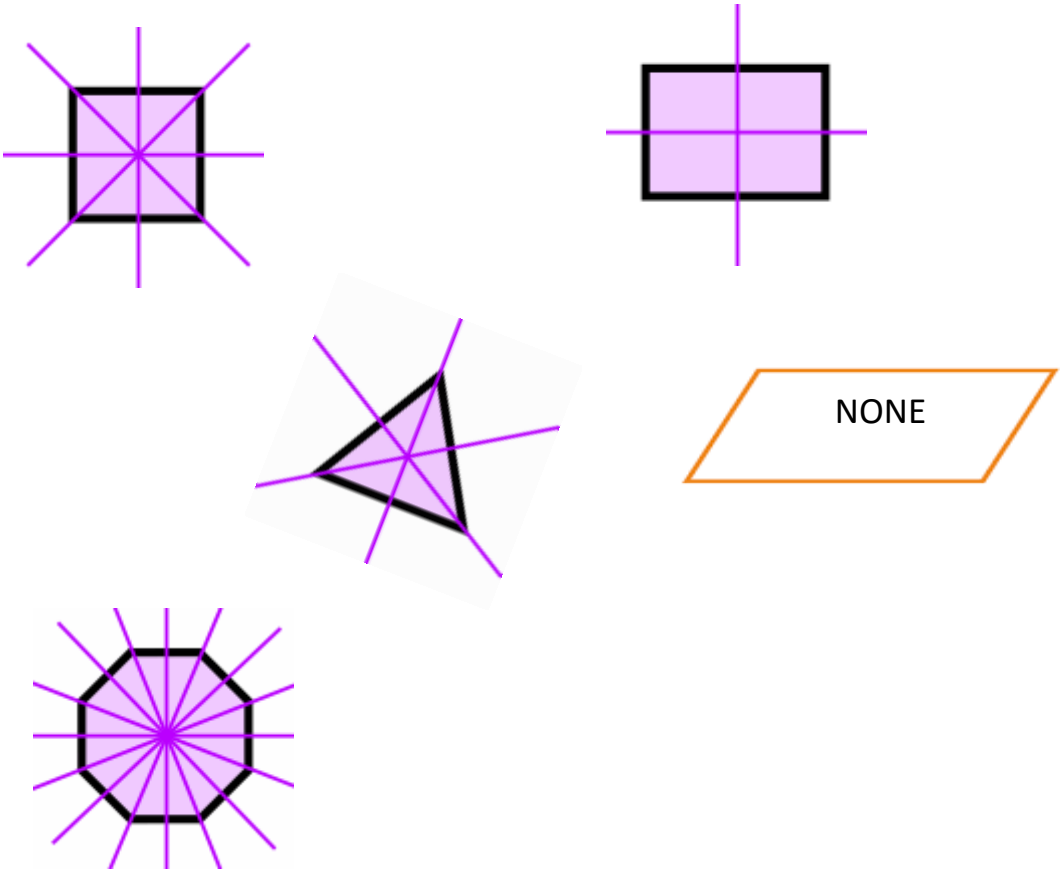
2. a) 8 and 2
   b) 7, 3, 7

3. a) 5
   b) 4.00pm
   c) 4.30pm
   d) 2880
   e) 135

4. a) 110
   b) 130
   c) 45

5. a) 72 and 6, 12
   b) 2, 7, 3, 9
   c) 5, 3

6. The axes of symmetry of four of the shapes are shown below, the other shape has NONE.



7. a) 9, 25, 49 etc (square of any prime number)
   b) 204
   c) 97
   d) 5/12 and many others
   e) 21

8. a) 4
   b) 1
   c) 9/31
   d) 19

9. a) 780
   b) £67.10
   c) £73.81

10. a) 1643.2
    b) 316
    c) 1643.2
    d) 5.2
    e) 4108

11. a) 35
    b) 15:57, 16:09, 16:14, 16:29
    c) 11 min
    d) 48 min
    e) 33 miles
    f) 45mph

12. a) 2
    b) 3
    c) 4
    d) 1
    e) 1, 3
    f) 2, 3
    g) 4
    h) 2, 3

13. **a**) 123 / 132 / 213 / 231 / 312 / 321
    b) 1122 / 1212 / 1221 / 2112 / 2121 / 2211
    c) 11123 / 11132 / 11231 / 11321 / 12311 / 13211 / 12131 / 13121 / 11213 / 11312 / 12113 / 13112 / 21113 / 21131 / 21311 / 23111 / 31112/ 31121 / 31211 / 23111